

Title (en)  
AEROSOL GENERATION DEVICE, CONTROL METHOD, AND PROGRAM

Title (de)  
AEROSOLERZEUGUNGSVORRICHTUNG, STEUERUNGSVERFAHREN UND PROGRAMM

Title (fr)  
DISPOSITIF DE GÉNÉRATION D'AÉROSOL, PROCÉDÉ DE COMMANDE ET PROGRAMME

Publication  
**EP 3777577 A4 20210331 (EN)**

Application  
**EP 18912633 A 20180326**

Priority  
JP 2018012245 W 20180326

Abstract (en)  
[origin: US2021007411A1] An aerosol generation device includes: a load configured to heat an aerosol generation article by using power that is supplied from a power source, the aerosol generation article comprising an aerosol-forming substrate configured to hold or carry at least one of an aerosol source and a flavor source; and a control unit configured to acquire a temperature of the load and to control the power that is supplied from the power source to the load by feedback control. The control unit is configured to determine the power that is supplied from the power source to the load, based on comparison between an operation value obtained in the feedback control and a predetermined value.

IPC 8 full level  
**A24F 40/53** (2020.01)

CPC (source: EP KR US)  
**A24F 40/20** (2020.01 - US); **A24F 40/46** (2020.01 - KR); **A24F 40/50** (2020.01 - KR); **A24F 40/53** (2020.01 - EP US);  
**A24F 40/57** (2020.01 - KR US); **A61M 11/042** (2014.02 - EP US); **A61M 15/06** (2013.01 - EP US); **G05B 19/042** (2013.01 - EP US);  
**H02J 7/007192** (2020.01 - KR); **H02M 1/0003** (2021.05 - KR); **H05B 1/0202** (2013.01 - KR); **A61M 2016/0018** (2013.01 - EP);  
**A61M 2205/3317** (2013.01 - EP); **A61M 2205/3368** (2013.01 - EP US); **A61M 2205/50** (2013.01 - EP); **A61M 2205/8206** (2013.01 - EP US);  
**G05B 2219/25409** (2013.01 - EP US); **H01M 2220/30** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
• [XII] WO 2014102091 A1 20140703 - PHILIP MORRIS PROD [CH]  
• [XII] WO 2013098397 A2 20130704 - PHILIP MORRIS PROD [CH]  
• [XII] US 2014096782 A1 20140410 - AMPOLINI FREDERIC PHILIPPE [US], et al  
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• [XII] US 2015359263 A1 20151217 - BELLINGER JOHN [US]  
• See also references of WO 2019186669A1

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US11789476B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 11864595 B2 20240109**; **US 2021007411 A1 20210114**; CN 111936001 A 20201113; CN 111936001 B 20231128;  
EP 3777577 A1 20210217; EP 3777577 A4 20210331; EP 3777577 B1 20240529; JP 6909921 B2 20210728; JP WO2019186669 A1 20201210;  
KR 102589403 B1 20231016; KR 20200121888 A 20201026; WO 2019186669 A1 20191003

DOCDB simple family (application)  
**US 202017031927 A 20200925**; CN 201880091886 A 20180326; EP 18912633 A 20180326; JP 2018012245 W 20180326;  
JP 2020510213 A 20180326; KR 20207027581 A 20180326